



PRODUCT DATASHEET

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MOTION & CONTROL
NSK



24128CE4

Spherical Roller Bearings

Boundary Dimensions

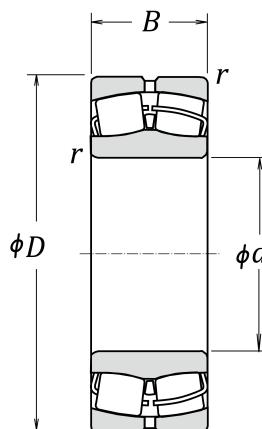
| | | | |
|----------|-----|----|-------------------|
| d | 140 | mm | Bore diameter |
| D | 225 | mm | Outside diameter |
| B | 85 | mm | Width |
| r (min.) | 2.1 | mm | Chamfer dimension |

Basic Load Ratings

| | | | |
|-----|---------|---|---------------------------|
| Cr | 840000 | N | Basic dynamic load rating |
| C0r | 1160000 | N | Basic static load rating |

Speeds

| | | | |
|-------------------------------------|------|-------|---|
| Thermal Speed Rating (Oil-bath) | 1600 | min-1 | Oil-bath lubrication subject to conditions outlined in ISO 15312 |
| Mechanical (forced-circulation oil) | 2600 | min-1 | Properly designed and controlled forced-circulation oil lubrication |
| Grease | 1200 | min-1 | Grease lubrication |
| Oil (Oil-bath) | 1600 | min-1 | Oil-bath lubrication |



Abutment and Fillet Dimensions

| | | | |
|-----------|-----|----|-----------------------------------|
| da (min.) | 152 | mm | Diameter of shaft abutment |
| da (max.) | 156 | mm | Diameter of shaft abutment |
| Da (min.) | 192 | mm | Diameter of housing abutment |
| Da (max.) | 213 | mm | Diameter of housing abutment |
| ra (max.) | 2 | mm | Radius of shaft or housing fillet |

Calculation factors

| | | |
|----|------|--------------------|
| e | 0.35 | Constant |
| Y2 | 2.9 | Axial load Factors |
| Y3 | 1.9 | Axial load Factors |
| Y0 | 1.9 | Axial load Factors |

Mass

| | | | |
|--------------|----|----|--------------|
| Mass approx. | 13 | kg | Mass approx. |
|--------------|----|----|--------------|

